

09/914,493

L Number	Hits	Search Text	DB	Time stamp
1	171	(tablet\$4 or briquet\$4 or pellet\$5 or compressed or compacted or compacting or compressing) same temperature same (cold or below adj1 ambient) same (detergent or deterative or tenside or cleaning)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/06 12:59
2	0	(tablet\$4 or briquet\$4 or pellet\$5 or compressed or compacted or compacting or compressing) same (detergent or deterative or tenside or cleaning) same temperature near10 cool\$3 near5 below adj1 ambient	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/06 13:02
3	0	(tablet\$4 or briquet\$4 or pellet\$5 or compressed or compacted or compacting or compressing) same (detergent or deterative or tenside or cleaning) same temperature near5 below adj1 ambient	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/06 13:02
4	328	(tablet\$4 or briquet\$4 or pellet\$5 or compressed or compacted or compacting or compressing) same (detergent or deterative or tenside or cleaning) same temperature near5 (low or cold or ambient)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/06 13:17
5	83	510/\$.ccIs. and (tablet\$4 or briquet\$4 or pellet\$5 or compressed or compacted or compacting or compressing) same (detergent or deterative or tenside or cleaning) same temperature near5 (low or cold or ambient)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/06 13:17

09/914,493

=> d his

(FILE 'HOME' ENTERED AT 11:39:34 ON 06 SEP 2003)

FILE 'CA' ENTERED AT 11:40:06 ON 06 SEP 2003

                  E INGRAM DAVID WILLIAM/AU  
L1                  7 S E3  
                  E INGRAM DAVID W/AU  
                  E INGRAM DAVID/AU  
L2                  9 S E3  
                  E INGRAM DAVID WILLIAM/IN  
                  E WILLEMS INGRID MARIA ELISABETH HENDRIKA/AU  
L3                  1 S E2  
                  E WILLEMS INGRID M/AU  
                  E WILLEMS I M/AU  
L4                  17 S E2  
L5                  2 S (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED  
SOLI  
L6                  0 S (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED  
SOLI  
L7                  1 S (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED  
SOLI  
L8                  64 S (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED  
SOLI

FILE 'CA' ENTERED AT 12:11:23 ON 06 SEP 2003

L9                  2 S L5  
L10                 0 S L6  
L11                 1 S L7

=>

=> s e3

L1 7 "INGRAM DAVID WILLIAM"/AU

=> d 1-7 11 ti

L1 ANSWER 1 OF 7 CA COPYRIGHT 2003 ACS on STN

TI Enzymatic liquid laundry detergent composition with polyvinyl chloride film pouch

L1 ANSWER 2 OF 7 CA COPYRIGHT 2003 ACS on STN

TI Detergent compositions comprising hydrotropes

L1 ANSWER 3 OF 7 CA COPYRIGHT 2003 ACS on STN

TI Stable nonaqueous particulate-containing detergent compositions containing bleach precursor compositions

L1 ANSWER 4 OF 7 CA COPYRIGHT 2003 ACS on STN

TI Photobleaching compositions effective on dingy fabric

L1 ANSWER 5 OF 7 CA COPYRIGHT 2003 ACS on STN

TI Photochemical singlet oxygen generators having cationic substantivity modifiers for bleaches

L1 ANSWER 6 OF 7 CA COPYRIGHT 2003 ACS on STN

TI Photochemical singlet oxygen generators having enhanced singlet oxygen yields for bleaching agents

L1 ANSWER 7 OF 7 CA COPYRIGHT 2003 ACS on STN

TI Singlet oxygen generators having enhanced heavy atom effect for bleaching compositions

=>

=> s (tablet? or briquet? or pellet? or solid block or shaped solid or pressed) (p) cool? (p) ambient (5a) below

61106 TABLET?  
17424 BRIQUET?  
94826 PELLET?  
857464 SOLID  
177162 BLOCK  
250 SOLID BLOCK  
(SOLID(W) BLOCK)  
109180 SHAPED  
857464 SOLID  
222 SHAPED SOLID  
(SHAPED(W) SOLID)  
86287 PRESSED  
615510 COOL?  
93506 AMBIENT  
375135 BELOW

L5 2 (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED SOLID  
OR PRESSED) (P) COOL? (P) AMBIENT (5A) BELOW

=> d 1-2 l5 ti

L5 ANSWER 1 OF 2 CA COPYRIGHT 2003 ACS on STN  
TI Photoimaging process using low-temperature exposure

L5 ANSWER 2 OF 2 CA COPYRIGHT 2003 ACS on STN  
TI Methanol-based heat pump for solar heating, cooling and storage. Phase  
II

=>

```

=> s (tablet? or briquet? or pellet? or solid block or shaped solid or
pressed) (p) detergent# and cool? (p) ambient
    61106 TABLET?
    17424 BRIQUET?
    94826 PELLET?
    857464 SOLID
    177162 BLOCK
        250 SOLID BLOCK
            (SOLID (W) BLOCK)
    109180 SHAPED
    857464 SOLID
        222 SHAPED SOLID
            (SHAPED (W) SOLID)
    86287 PRESSED
    97453 DETERGENT#
        1627 (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED SOLID
OR PRESSED) (P) DETERGENT#
    615510 COOL?
    93506 AMBIENT
        6644 COOL? (P) AMBIENT
L7      1 (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED SOLID
OR PRESSED) (P) DETERGENT# AND COOL? (P) AMBIENT

```

=> d 1 17 ti

L7 ANSWER 1 OF 1 CA COPYRIGHT 2003 ACS on STN  
TI Improved **detergent tablets**

=>

=> d 1 17 all

L7 ANSWER 1 OF 1 CA COPYRIGHT 2003 ACS on STN  
AN 65:66543 CA  
OREF 65:12426c-d  
TI Improved **detergent tablets**  
IN Kraus, Milton N.  
PA Colgate-Palmolive Co.  
SO 4 pp.  
DT Patent  
LA Unavailable  
IC C11D  
CC 53 (Surface-Active Agents and Detergents)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	FR 1420946		19651210	FR	
PRAI	US		19640122		
AB	Nonsticky <b>detergent tablets</b> having an improved mech. strength and a good rate of soly. in H2O are prepd. by compressing at 0.21-24.5 kg./cm.2 a compn. contg. Na tripolyphosphate (I) and an org. an or nonionic synthetic <b>detergent</b> , treating the <b>tablets</b> for 1-5 sec. at 315-538.degree. with superheated steam, and <b>cooling</b> to <b>ambient</b> temp. in >0.5 min. before packaging. Thus, <b>tablets</b> were prepd. from a formulation contg. Na2SO4 10, I 50, pentadecylbenzenesulfonate 18, H2O 14, Na silicate (Na2O:SiO2 = 1:2) 6, and other additives (e.g. optical brighteners, perfume, color, Na carboxymethyl cellulose, etc.) 2%. Then the <b>tablets</b> were steamed for 4 sec. at 371.degree. and finally <b>cooled</b> for 1 min. by a stream of air at 21.degree.. They dissolved in H2O at 38.degree. in 20-60 sec. and had good mech. strength during handling and packaging.				
IT	Cleaning compositions (sulfated or sulfonated, Na triphosphate-contg., tablets of)				
IT	7758-29-4, Sodium triphosphate, Na5P3O10 (cleaning compn. tablets contg. sulfonates and)				
IT	27176-87-0, Benzenesulfonic acid, dodecyl- 61215-89-2, Benzenesulfonic acid, pentadecyl- (salts, cleaning compn. tablets contg. Na triphosphate and)				

=>

L8 ANSWER 9 OF 64 CA COPYRIGHT 2003 ACS on STN  
 AN 132:109799 CA  
 TI Macromolecular active solid detergent composition and preparation thereof  
 IN Lu, Xiujuan  
 PA Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 6 pp.  
 CODEN: CNXXEV  
 DT Patent  
 LA Chinese  
 IC ICM C11D001-83  
 ICS C11D017-00  
 CC 46-6 (Surface Active Agents and Detergents)  
 Section cross-reference(s): 43

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1178829	A	19980415	CN 1996-120131	19961009
PRAI	CN 1996-120131		19961009		

AB The **detergent** is composed of anionic surfactant 25-30, Na<sub>2</sub>CO<sub>3</sub> 25-33, Na metasilicate 15-20, fluorescent brightener 0.5-1, CM-cellulose 0.1-0.7, nonionic surfactant 8-12, sodium EDTA 0.001-0.003, oleic acid 0.001-0.003, and essence 0.1-0.7 part, preferably anionic surfactant 27.5, Na<sub>2</sub>CO<sub>3</sub> 29, Na metasilicate 17.5, fluorescent brightener 0.7, CM-cellulose 0.4, nonionic surfactant 10, sodium EDTA 0.002, oleic acid 0.002, and essence 0.4 part. The **detergent** is prepd. by resp. grinding the raw material, mixing, **cooling** rapidly to -30.degree., **pelletizing**, and solidifying at 60-150.degree. to obtain the product with particle wt. of >0.15 g.

ST detergent macromol solid particle compn; surfactant metasilicate carbonate  
 fluorescent detergent prepn  
 IT Surfactants  
 (anionic; prepn. of macromol. active solid detergent compn. contg.)  
 IT Surfactants  
 (nonionic; prepn. of macromol. active solid detergent compn. contg.)  
 IT Detergents  
 (prepn. of macromol. active solid detergent compn.)  
 IT Fluorescent brighteners  
 (prepn. of macromol. active solid detergent compn. contg.)  
 IT 112-80-1, 9-Octadecenoic acid (9Z)-, uses 139-33-3 497-19-8, Sodium carbonate, uses 6834-92-0, Sodium metasilicate 9004-32-4, Carboxymethyl cellulose  
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)  
 (prepn. of macromol. active solid detergent compn. contg.)

=>

L8 ANSWER 6 OF 64 CA COPYRIGHT 2003 ACS on STN  
 AN 133:209699 CA  
 TI Rapidly disintegrating washing and cleaning tablets produced by  
 compaction  
 of precooled premix  
 IN Lietzmann, Andreas; Bocker, Monika; Blasey, Gerhard; Jung, Dieter;  
 Semrau,  
 Markus  
 PA Henkel Kommanditgesellschaft Auf Aktien, Germany  
 SO PCT Int. Appl., 42 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 IC ICM C11D  
 CC 46-6 (Surface Active Agents and Detergents)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000050548	A2	20000831	WO 2000-EP1241	20000216
	WO 2000050548	A3	20001221		
	W:				
	AE, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CN, CR, CU, CZ, DM, EE,				
	GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,				
	LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL,				
	RO, RU, SD, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SI, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,				
	DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				
	CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	DE 19908025	A1	20000831	DE 1999-19908025	19990225
	AU 2000038044	A5	20000914	AU 2000-38044	20000216
	EP 1155111	A2	20011121	EP 2000-916837	20000216
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO				
	CA 2300017	AA	20000825	CA 2000-2300017	20000225
PRAI	DE 1999-19908025	A	19990225		
	WO 2000-EP1241	W	20000216		
AB	The title tablets have a high degree of hardness and thus stability during transport and handling combined with good disintegration properties. The tablets can be produced using a known tableting process in which the premix to be compacted has a temp. of <20.degree., preferably <10.degree., immediately before compaction.				
ST	washing cleaning <b>tablet</b> premix <b>cooling</b> compression disintegration rate improvement; compaction <b>cooled</b> premix <b>detergent tablet</b> disintegration rate improvement				
IT	Surfactants (anionic; rapidly disintegrating washing and cleaning tablets produced by compaction of precooled premix)				
IT	Surfactants (nonionic; rapidly disintegrating washing and cleaning tablets produced by compaction of precooled premix)				
IT	<b>Detergents</b> ( <b>tablets</b> ; rapidly disintegrating washing and cleaning <b>tablets</b> produced by compaction of precooled premix)				



=> d 16 18

L8 ANSWER 16 OF 64 CA COPYRIGHT 2003 ACS on STN  
AN 125:332416 CA  
TI Sequestrant binding of water in **tableting** of high-caustic  
**detergents** for improved stability  
IN Roach, Kenneth James; Anderson, Patricia  
PA Unilever N.V., Neth.  
SO PCT Int. Appl., 20 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9629387	A1	19960926	WO 1996-CA153	19960314
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
	CA 2215206	AA	19960926	CA 1996-2215206	19960314
	AU 9649340	A1	19961008	AU 1996-49340	19960314
	AU 714999	B2	20000113		
	EP 815195	A1	19980107	EP 1996-905625	19960314
	EP 815195	B1	19990526		
	R: CH, DE, ES, FR, GB, IT, LI, NL, SE				
	BR 9607840	A	19980616	BR 1996-7840	19960314
	ES 2132895	T3	19990816	ES 1996-905625	19960314
	ZA 9602339	A	19960916	ZA 1996-2339	19960322
	US 5713384	A	19980203	US 1996-625353	19960401
	US 5759976	A	19980602	US 1997-898013	19970722
PRAI	US 1995-408538		19950322		
	US 1993-120563		19930913		
	US 1995-430177		19950427		
	WO 1996-CA153		19960314		

=>

L8 ANSWER 29 OF 64 CA COPYRIGHT 2003 ACS on STN

AN 100:87696 CA

TI Manufacture of tablets as cleansing agents

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC A61K009-20; A61J003-06

CC 46-5 (Surface Active Agents and Detergents)

Section cross-reference(s): 62

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 58213714	A2	19831212	JP 1982-97095	19820607
	JP 63052604	B4	19881019		
PRAI	JP 1982-97095		19820607		

AB In manuf. of **tablets** contg. inorg. or org. compds. (which are moisture-free or do not release cryst. H<sub>2</sub>O at <50.degree.), the entire compn. or the binder with a m.p. of >40.degree. is preheated at a temp. > the m.p., **cooled**, pulverized and the powder with or without addn. of additives is made into **tablets** for use as bleaching agents, **detergents**, bath preps., etc. The surface of prepd. **tablets** is smooth (i.e., no chipping occurs due to the treatment). As an example, Na percarbonate [3313-92-6] (bleaching agent) 98 and polyethylene glycol [25322-68-3] 2 parts were mixed, heated at 65.degree.

for 20 min, **cooled** and the powder was **pressed** to produce **tablets** for use in laundry.

ST bleaching tablet sodium percarbonate

IT Tablets

(for cleaning agents and bleaches)

IT Bleaching agents

(tablets, sodium percarbonate and polyethylene glycol in, manuf. of)

IT 3313-92-6P

RL: PREP (Preparation)

(bleaching tablets contg. polyethylene and, manuf. of)

IT 25322-68-3P

RL: PREP (Preparation)

(bleaching tablets contg. sodium percarbonate and, manuf. of)

IT 87-69-4, uses and miscellaneous 144-55-8, uses and miscellaneous 2244-21-5

RL: USES (Uses)

(tablets contg. cleaning agents and)

IT 7758-29-4

RL: USES (Uses)

(tablets contg. sodium dichloroisocyanurate and myristic acid and, as bleaching agent)

IT 544-63-8, uses and miscellaneous

RL: USES (Uses)

(tablets contg. sodium dichloroisocyanurate and sodium tripolyphosphate in, as bleaching agent)

=>

L9            2 (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED SOLID  
              OR PRESSED) (P) COOL? (P) AMBIENT (5A) BELOW

=> d 1-2 19 ti

L9    ANSWER 1 OF 2    CA    COPYRIGHT 2003 ACS on STN  
TI    Photoimaging process using low-temperature exposure

L9    ANSWER 2 OF 2    CA    COPYRIGHT 2003 ACS on STN  
TI    Methanol-based heat pump for solar heating, cooling and storage.    Phase  
II

=> s 16

61106 TABLET?  
17424 BRIQUET?  
94826 PELLET?  
857464 SOLID  
177162 BLOCK  
250 SOLID BLOCK  
      (SOLID(W) BLOCK)  
109180 SHAPED  
857464 SOLID  
222 SHAPED SOLID  
      (SHAPED(W) SOLID)  
86287 PRESSED  
97453 DETERGENT#  
1627 (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED SOLID  
      OR PRESSED) (P) DETERGENT#  
615510 COOL?  
93506 AMBIENT  
375135 BELOW  
143 COOL? (P) AMBIENT (5A) BELOW  
L10        0 (TABLET? OR BRIQUET? OR PELLET? OR SOLID BLOCK OR SHAPED SOLID  
             OR PRESSED) (P) DETERGENT# AND COOL? (P) AMBIENT (5A) BELOW

=>